

What is claimed is:

1. A hybrid vehicle comprising:

an engine and a primary motor as a drive source for running the vehicle;

5 a secondary motor used for any other purposes than as the drive source for running the vehicle; and

a switching unit for controlling the primary motor and the secondary motor via a common inverter.

10 2. A hybrid vehicle as set forth in Claim 1, wherein the secondary motor is an auxiliary unit driving motor.

3. A hybrid vehicle as set forth in claim 2, wherein in the event that the secondary motor is required to be
15 driven while the vehicle is being driven by the primary motor with the engine being stopped, the inverter is switched to drive the secondary motor by the switching unit after the engine has been started up and the primary motor has been stopped.

20 4. A hybrid vehicle as set forth in Claim 2, wherein in the event that the primary motor is required to be driven while an auxiliary unit is being driven by the secondary motor, the inverter is switched to drive the
25 primary motor by the switching unit after the secondary

motor has been stopped, and the auxiliary unit which has been driven by the secondary motor is then driven by the engine.

5 5. A hybrid vehicle as set forth in Claim 2, wherein the secondary motor is at least any of a motor for driving a compressor for an air conditioner, a motor for driving an oil pump, and a motor for starting up the engine.

10 6. A method for controlling a hybrid vehicle including an engine and a primary motor as a drive source for running the vehicle, and a secondary motor used for any other purposes than as the drive source for running the vehicle, the method comprising:

15 controlling the primary motor and the secondary motor via a common inverter.

 7. A method for controlling a hybrid vehicle as set forth in Claim 6, wherein the secondary motor is an
20 auxiliary unit driving motor.

 8. A method for controlling a hybrid vehicle as set forth in claim 7, wherein the controlling step includes switching the inverter to the secondary motor from the
25 primary motor after the engine has been started up and

the primary motor has been stopped, in the event that the secondary motor is required to be driven while the vehicle is being driven by the primary motor with the engine being stopped.

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9. A method for controlling a hybrid vehicle as set forth in Claim 7, wherein the controlling step includes switching the inverter to the primary motor from the secondary motor after the secondary motor has been stopped,
10 and an auxiliary unit which has been driven by the secondary motor is then driven by the engine, in the event that the primary motor is required to be driven while the auxiliary unit is being driven by the secondary motor.

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